



## **FACILITY ELECTRICIAN**

### **Purpose:**

To actively support and uphold the City's stated mission and values. To perform skilled electrical work in the installation, alteration, maintenance, calibration and repair of electronics, electrical and energy management equipment and systems; and to maintain and update the City's energy conservation program.

### **Supervision Received and Exercised:**

Receives general supervision from the Facility Maintenance Supervisor or from other supervisory or management staff.

### **Examples of Duties:**

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.

Duties may include, but are not limited to, the following:

- Provide expertise in the electrical field to assist maintenance staff.
- Plan layout, wire and install energy efficient equipment, electrical fixtures and control equipment; modify or plan new installations to minimize waste of energy and materials.
- Install, alter, maintain and repair electrical wiring systems and equipment including air conditioning systems, pumps, exhaust fans, coolers and appliances motors.
- Inspect fuses, buss bars, thermocouples and electrical contacts for loose connections or soldering problems.
- Repair relays, heavy duty fuses, high current heaters, sprinkler controls, heating and ventilation circuits, photo and electric eyes, time clocks and transformers.
- Locate, dig-up and repair underground electrical faults; measure, cut, bend, thread, assemble and install conduit for underground feeders.

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- Receive and prioritize City-wide electrical work requests and malfunction emergencies; schedule repairs and preventative maintenance.
- Design and install computerized switches and controllers for energy management systems; select City facilities and recreational areas for lighting system upgrades; install energy-efficient lighting and maintain lighting facilities for park grounds, basketball and tennis courts, soccer and baseball fields; provide and monitor lighting for buildings and offices.
- Participate in budget preparation and administration; prepare cost estimates for budget recommendations; submit justifications for lighting conversion projects and electrical upgrade work; monitor and control expenditures.
- Develop energy management strategies for City parks and facilities; monitor electrical consumption; recommend and implement energy saving systems and procedures.
- Operate and maintain a variety of test meters and instruments.
- Locate underground electrical lines for other City staff, as well as outside contractors, as required.
- Order, install and test new equipment.
- Maintain related records and files.
- Participate in rotating paid standby schedule for weekends and holidays.
- Perform related duties as assigned.

**Experience and Training Guidelines:**

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. The hiring department may include job related experience, training or license and certification preferences at the time of recruitment. A typical way to obtain the knowledge and abilities would be:

**Experience:**

Two years of increasingly responsible experience as a skilled electrician.

**Training:**

Equivalent to the completion of the twelfth grade supplemented by completion of an electrical apprenticeship or related program.

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**Licenses/Certifications:**

Possession of, or ability to obtain, a Plant Maintenance Electrician Certification.

Possession of, or ability to obtain, and appropriate, valid Arizona driver's license.

**This position is included in the City's classified service, pursuant to City of Tempe Personnel Rules and Regulations, Rule 1, Section 103.**

**Job Code: 8400**

**FLSA: Non-Exempt**